

ABSTRACT

Aims & Objectives

To assess the levels of serum progesterone in patients with threatened abortion and follow up the patients to find the pregnancy outcome.

Serum Progesterone As A Single Hormone To Detect Fetal Viability In Cases Of Threatened Abortion

Single serum progesterone value of $> 25\text{ng/ml}$ has 97% chance of fetal viability

Materials and methods

Short-term prospective study.

Period of study: From Jan - 2015 to Jan - 2016.

Study was conducted at the department of Obstetrics and Gynecology in Coimbatore Medical College and Hospital

About 100 patients presenting to the antenatal/ Gynecology OP with history of spotting per vaginum were taken into study 2ml sample of blood was collected in serum test tube sent and the serum progesterone levels were noted. At around 5 months of gestation, an ultrasound done at antenatal OP for fetal heart rate and thus viability of the fetus was noted they were followed up pregnancy outcome was monitored

Discussion

In my study out of 100 patients 15 patients lost follow up.

Among the 85 patients 50 had viable pregnancy.

Among the 26 patients of serum progesterone $>25\text{ng/ml}$, 24 had viable pregnancy. $P < 0.01$ Among 23 patients of Serum progesterone values of $< 10\text{ng/ml}$ none of them had viable pregnancy

Among 36 patients between $10\text{-}25\text{ng/ml}$ 26 had viable pregnancy and 10 had non viable pregnancy

Thus as progesterone values increases the chances of preterm labour also decreases

Conclusion

Thus proving single serum progesterone as effective marker to say that the pregnancy will be viable